Line array system 1-5

IWAC208

IWAC210

Full range 7-18

CLUB212

FS² series

VOICE12

Subwoofer 19-22

SUB118T

SUB115T

SUB218

SUB118

Power amplifier 25-28

V2.07

V2.13

V2.20

V4.25

IWAC 208

TWO WAY COMPACT DUAL 8 INCH
LINE ARRAY SYSTEM

IWAC 210

TWO WAY COMPACT SINGLE 10 INCH
LINE ARRAY SYSTEM

IWAC208

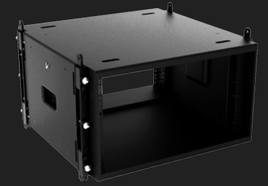
IWAC210

IWAC208 Line Array Frame

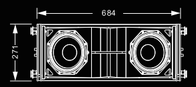
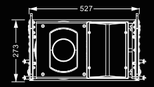
IWAC208 Line Array Amplifier Rack Frame

IWAC208 Line Array Amplifier Rack Frame Connectiong Bar

Line Array Amplifier Rack

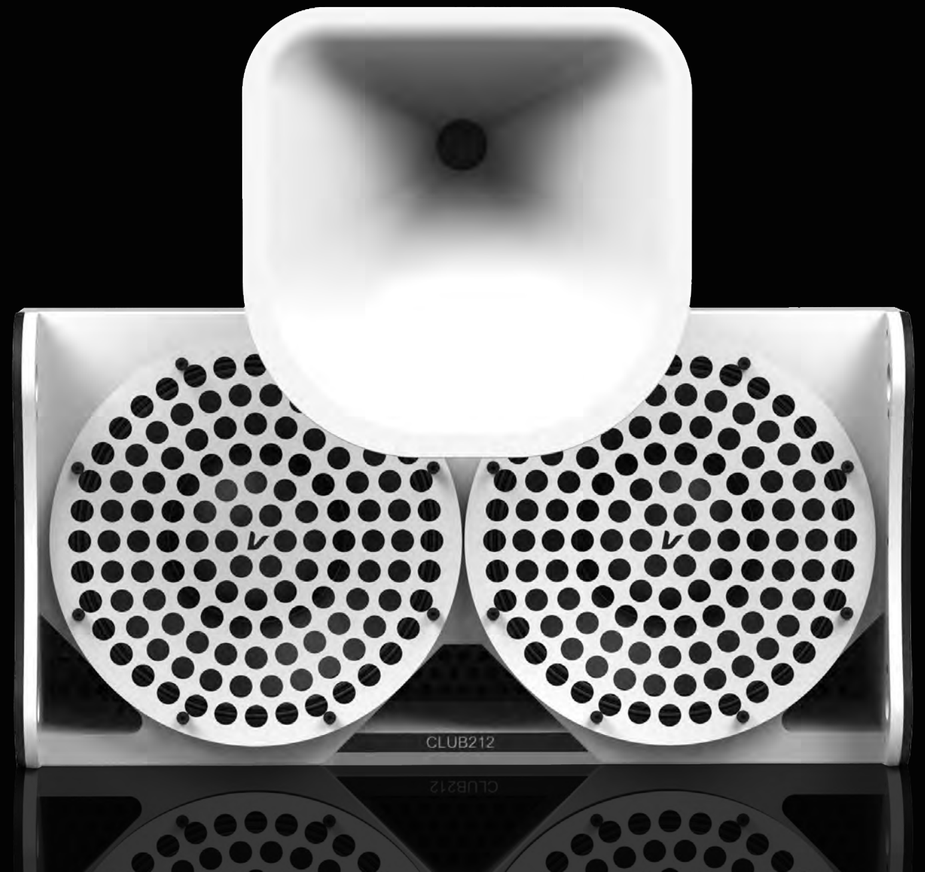


IWAC210 Line Array Frame

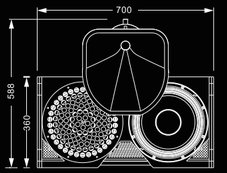
Model	 IWAC208	 IWAC210
Power Capacity (50~20000Hz pink noise 4 hours)	LF:400W HF:140W AES / LF:800W HF:280W Program	LF:600W HF:140W AES / LF:1200W HF:280W Program
Nominal impedance	16Ω LF / 16Ω HF	8Ω LF / 16Ω HF
Frequency response (-6dB half space, no EQ)	95~19500Hz	90~19500Hz
Average Sensitivity	LF: 98dB; HF: 108dB	LF: 97dB; HF: 108dB
Calculated Maximum Pressure (SPL / 1m)	136dB continuous/138dB program(1 box)	137dB continuous/139dB program(1 box)
Nominal Directivity (-6dB)	110° x 6°	120° x 10°
Recommended low cut filter	100Hz (LR 24dB/oct)	100Hz (LR 24dB/oct)
Low Frequency driver	8" driver x2 Ferrite magnet, 2" voice coil	10" driver x1 Ferrite magnet, 3" voice coil
High Frequency driver	1"exit driver,x2 Ferrite magnet, 1.73" voice coil	1"exit driver,x2 Ferrite magnet, 1.73" voice coil
Frequency curve	Set Xover Point 2 kHz 、Low Cut 100Hz、24 dB/oct/LR	
Flying hardware	CNC made with hard multi layers aluminum alloy and anodic oxidation treatment. Ø10mm stainless steel push-pins	Laser Made Steel Side Frame Ø8mm stainless steel push-pins
Connectors	2x NEUTRIK Speakon® NL4MP (1+/1- LF, 2+/2- HF) Input & Link	2x NEUTRIK Speakon® NL4MP (1+/1- LF, 2+/2- HF) Input & Link
Cabinet	CNC made with tongue and grove assembly 15mm birch plywood	CNC made with tongue and grove assembly 15mm birch plywood
Finish	Touring grade textured black mat coating	Touring grade textured black mat coating
Size (WxHxD)	684x271x365mm	500x305x350mm
Weight	28.5kg net, 34kg gross	23.3kg net,29kg gross

CLUB212

Extraordinary Design, Electronic Music Pinnacle



CLUB212



Model	
Power Capacity (50~15000Hz pink noise 8 hours)	1300W AES/2600W Program
Nominal impedance	4Ω
Frequency response (-6dB half space, no EQ)	52~19kHz
Manufacturing Consistency tolerance	±1.5dB from 300 to 10000Hz
Average Sensitivity	102dB /W/m (Wideband 200~16000Hz)
Calculated Maximum Pressure (SPL / 1m)	134dB continuous / 137dB program
Nominal Directivity (-6dB)	Asymetric horn 50° H UP en 90° H Down & 70° V Down above 1000Hz
Recommended low cut filter	70~120Hz with subwoofer
Low Frequency driver	Custom made European 12 " driver Neodymium magnet, 3" voice coil
High Frequency driver	Custom made European 1.4" exit driver, Neodymium magnet, 3" voice coil, ti diaphragm
Crossover	No, external DSP processor required. (recommended cut 1400Hz, 12 dB/oct on LF, 24dB/oct on HF)
Flying hardware	6 holes for shakles
Connectors	1x NEUTRIK Speakon® NL4MP (1+/1- Input for LF, 2+/2- Input for HF)
Floor Monitor use	No
Pole mount	Omnimount type 75
Cabinet	CNC made with tongue and grove assembly 15mm birch plywood
Finish	Touring grade textured black mat coating
Size (WxHxD)	700x588x698mm
Weight	32kg net, 40kg gross

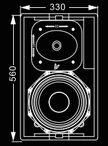
2015 British School Drama
in Guangzhou Beilei Theatre

FS SERIES

- European Neodymium Drivers
- 300w-500w Output Power
- 42~22KHz Frequency Response
- MAX SPL 131dB

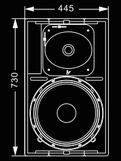
FS series own one all-purpose two-way full frequency speaker system which is combined by one set of untral-low distortion speaker component and rotatable waveguide HF speaker component. Frequency response ranges from 40Hz to 22KHz. This series is suitable for small size bar, club, festivals, Band, and other kinds of PA applications.

FS series



FS10

FS12



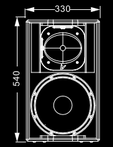
FS15

Model	FS10	FS12	FS15
Power Capacity (50~15000Hz pink noise 8 hours)	320W AES/600W Program	450W AES/900W Program	500W AES/1000W Program
Nominal impedance	8Ω	8Ω	8Ω
Frequency response (-6dB half space, no EQ)	55~20kHz	50~22kHz	42~18kHz
Manufacturing Consistency tolerance	±1.5dB from 300 to 10000Hz	±1.5dB from 300 to 10000Hz	±1.5dB from 300 to 10000Hz
Average Sensitivity	98dB /W/m (Wideband 200~16000Hz)	98dB /W/m (Wideband 200~16000Hz)	99dB /W/m (Wideband 200~16000Hz)
Calculated Maximum Pressure (SPL / 1m)	122dB continuous / 125dB program	124dB continuous / 127dB program	129dB continuous / 131dB program
Nominal Directivity (-6dB)	80°x 50°above 1500Hz	80°x 50°above 1200Hz	70°x 50°above 1500Hz
Recommended low cut filter	50Hz 24 dB/oct in full range mode. 60-140Hz with subwoofer	50Hz 24 dB/oct in full range mode. 80-120Hz with subwoofer	40Hz 24 dB/oct in full range mode. 80-120Hz with subwoofer
Low Frequency driver	Custom made European 10" driver, Ferrite magnet, 2.5" voice coil	Custom made European 12" driver, Ferrite magnet, 3" voice coil	Custom made European 15" driver, Ferrite magnet, 3" voice coil
High Frequency driver	Custom made European 1" exit driver,Neodymium magnet, 1.7" voice coil, Ketone polymer diaphragm	Custom made European 1" exit driver,Neodymium magnet, 1.7" voice coil, Ketone polymer diaphragm	Custom made European 1.4" exit driver,Neodymium magnet, 3" voice coil, Ti diaphragm
Crossover	Passive mode only 2200Hz, 12dB/oct on LF, 18dB/oct on HF with T-Comp type 2 HF protection	Passive mode only 1800Hz, 12dB/oct on LF, 18dB/oct on HF with T-Comp type 2 HF protection	Passive mode only 1500Hz, 12dB/oct on LF, 18dB/oct on HF with T-Comp type 2 HF protection
Flying hardware	12x M8 points	14x M8 points	14x M8 points
Connectors	2x NEUTRIK Speakon® NL4MP (1+/1- Link, 2+/2- Input & Link)	2x NEUTRIK Speakon® NL4MP (1+/1- Link, 2+/2- Input & Link)	2x NEUTRIK Speakon® NL4MP (1+/1- Link, 2+/2- Input & Link)
Floor Monitor use	Yes, 2 angles	Yes, 2 angles	Yes, 2 angles
Pole mount	35mm dual pot (0 and 10 degrees angles)	35mm dual pot (0 and 10 degrees angles)	35mm dual pot (0 and 10 degrees angles)
Cabinet	CNC made with tongue and grove assembly 15mm birch plywood	CNC made with tongue and grove assembly 15mm birch plywood	CNC made with tongue and grove assembly 18mm birch plywood
Finish	Touring grade textured black mat coating	Touring grade textured black mat coating	Touring grade textured black mat coating
Size (WxHxD)	330x560x342 mm	356x600x370 mm	445x730x425 mm
Weight	18kg net, 23kg gross	19kg net, 24kg gross	28kg net, 34kg gross

VOICE12

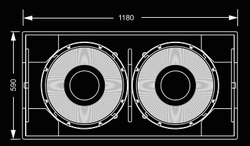
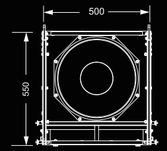
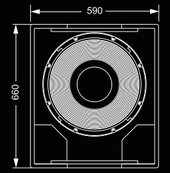
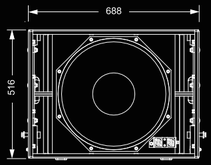
- High Grade Customized Drivers
- 300W AES/Program/1200W Peak
- 46~19KHz Frequency Response
- MAX SPL 128dB

VOICE12 is specially designed for standing out representing the voice's perfect.
VOICE12 has a good width of dynamic state,bringing you the wonderful feeling of singing melody. VOICE12 have good performace not only in KTV and band show, but also in Bar music reproduction.



Model	VOICE12
Power Capacity (50~15000Hz pink noise 8 hours)	300W AES/700W Program/1200W Peak
Nominal impedance	8Ω
Frequency response (-6dB half space, no EQ)	46~19kHz
Manufacturing Consistency tolerance	±2.5dB from 300 to 10kHz
Average Sensitivity	97dB /W/m
Calculated Maximum Pressure (SPL / 1m)	123dB continuous / 128dB program
Nominal Directivity (-6dB)	80°x 50°
Recommended low cut filter	40Hz 24 dB/oct in full range mode. 60-140Hz with subwoofer
Low Frequency driver	Custom made European 10" driver, Ferrite magnet, 2.5" voice coil
High Frequency driver	Custom made European 1" exit driver, Ferrite magnet,1.73" voice coil
Crossover	Passive mode only 2000Hz, 18dB/oct on LF, 18dB/oct on HF with T-Comp type 2 HF protection
Flying hardware	20x M8 points
Connectors	2x NEUTRIK Speakon® NL4MP (1+/1- Link, 2+/2- Input & Link)
Floor Monitor use	Yes, 2 symmetric angles
Pole mount	35mm top hat
Cabinet	CNC made with tongue and grove assembly 15mm birch plywood
Finish	Touring grade textured black mat coating
Size (WxHxD)	356x590x400m
Weight	22kg net 28kg gross

SUB218
SUB115T
SUB118BT
SUB118

Model	 SUB218	 SUB115T	 SUB118	 SUB118T
Power Capacity (35~350Hz pink noise 4 hours)	2400W AES / 4800W Program	2000W AES / 4000W Program	1200W AES / 2400W Program	2000W AES / 4000W Program
Nominal impedance	4Ω	8Ω	8Ω	8Ω
Frequency response (-6dB half space, no EQ)	35~300Hz	35~800Hz	35~500Hz	30~800Hz
Average Sensitivity	102dB /W/m (Wideband 40~150Hz)	94dB /W/m (Wideband 40~150Hz)	99dB /W/m (Wideband 40~150Hz)	96dB /W/m (Wideband 40~150Hz)
Calculated Maximum Pressure (SPL / 1m)	135dB continuous / 138dB program	126dB continuous / 132dB program	129dB continuous / 132dB program	128dB continuous / 134dB program
Nominal Directivity (-6dB)	Omidirectional in usable range	Omidirectional in usable range	Omidirectional in usable range	Omidirectional in usable range
Recommended low cut filter	28Hz 24dB/oct	30Hz 24dB/oct	30Hz 24dB/oct	30Hz 24dB/oct
Low Frequency driver	Custom made European 18" driver Ferrite magnet, 4" voice coil,60mm peak excursion capacity	Custom made European 15" driver, Ferrite magnet, 6" voice coil	Custom made European 18" driver,Ferrite magnet, 4" voice coil 60mm peak-peak excursion capacity	Custom made European 18" driver,Ferrite magnet, 6" voice coil
Crossover	No, only use in active mode with external electronic crossover	No, only use in active mode with external electronic crossover	No, only use in active mode with external electronic crossover	No, only use in active mode with external electronic crossover
Flying hardware	No	Yes	No	Yes
Connectors	2x NEUTRIK Speakon® NL4MP (1+/1- Input &Link, 2+/2- Link)	2x NEUTRIK Speakon® NL4MP (1+/1- Input &Link, 2+/2- Link)	2x NEUTRIK Speakon® NL4MP (1+/1- Input &Link, 2+/2- Link)	4x NEUTRIK Speakon® NL4MP (1+/1- Input &Link, 2+/2- Link)
Pole mount	2X20mm thread top hat	20mm thread top hat	20mm thread top hat	20mm thread top hat
Cabinet	CNC made with tongue and grove assembly all made with 18mm birch plywood	CNC made with tongue and grove assembly all made with 18mm birch plywood	CNC made with tongue and grove assembly all made with 18mm birch plywood	CNC made with tongue and grove assembly all made with 18mm birch plywood
Finish	Touring grade textured black mat coating	Touring grade textured black mat coating	Touring grade textured black mat coating	Touring grade textured black mat coating
Size (WxHxD)	1180x590x605mm	500x550x575mm	590x660x605mm	688x516x760mm
Weight	86kg net, 92kg gross	52.5kg net	49kg net, 55kg gross	80kg net

POWER AMPLIFIER

V2.07/V2.13/V2.20/V4.25

Model

	V2.07	V2.13	V2.20	V4.25
Output Power （8Ω）	700WX2*	1300WX2*	2000WX2*	1300WX4*
（4Ω）	1200WX2*	2200WX2*	3500WX2*	2100WX4**
（2Ω）	1600WX2**	2800WX2**	4400WX2**	2500WX4**
（8Ω bridge）	2400W*	4600W*	7000W*	4200WX2**
（4Ω bridge）	3200W**	5600W**	8800W**	5000WX2**
Frequency response	20Hz～20KHz（+0/-1.5dB）	20Hz～20KHz（+0/-1.5dB）	20Hz～20KHz（+0/-1.5dB）	20Hz～20KHz（+0/-1.5dB）
THD+N	<0.02%	<0.02%	<0.05%	<0.05%
S/N rate	>95dB	>95dB	>95dB	>80dB
Damping factor	>280	>280	>280	>800（100Hz）
Crosstalk	>70dB	>70dB	>70dB	>65dB
Slew rate	>16V/μs	>16V/μs	>30V/μs	>10V/μs
input sensitivity	32dB/1v/0.775v	32dB/1v/0.775v	32dB/1v/0.775v	26dB/32dB/38dB/0.775v/1v/1.4v
input impedance(bal/unbal)	20kΩ/10kΩ	20kΩ/10kΩ	20kΩ/10kΩ	20kΩ/10kΩ
Voltage gain(8Ω)	39.7dB	42.4dB	44.2dB	42.3dB
output circuitry	Class Ⅰ	Class Ⅰ	Class Ⅰ	Class Ⅰ
Cooling	Air flow from front to rear	Air flow from front to rear	Air flow from front to rear	Air flow from front to rear
Input	NEUTRIK® XLR-F	NEUTRIK® XLR-F	NEUTRIK® XLR-F	NEUTRIK® XLR-F
Output	NEUTRIK® Speakon NL4	NEUTRIK® Speakon NL4	NEUTRIK® Speakon NL4	NEUTRIK® Speakon NL4
Front panel indicato	on/SIG/Limit/VU/Protect indicator	on/SIG/Limit/VU/Protect indicator	on/SIG/Limit/VU/Protect indicator	on/SIG/Limit/VU/Protect indicator
Front panel	Power switch/Volume control	Power switch/Volume control	Power switch/Volume control	Power switch/Volume control
Rear panel	Operation mode	Operation mode	Operation mode	Operation mode
Product dimensions(mm)	483X412X89	483X412X89	483X412X89	483X412X89
Product dimensions(mm)	595X565X170	595X565X170	595X565X170	595X565X170
G.W.	14.3kg	14.8kg	15.2kg	15.6kg
power reguirements	AC 110v～120/60Hz, ±10% or AC 200v～240v/50Hz, ±10%	AC 110v～120/60Hz, ±10% or AC 200v～240v/50Hz, ±10%	AC 110v～120/60Hz, ±10% or AC 200v～240v/50Hz, ±10%	AC 110v～240v/60Hz, 50Hz, ±10%

(Remark: 1. *.The power is tested under the condition of 40ms burst. 1KHz sine wave and 1% THD.
2. **.The power is tested under the condition of 20ms burst. 1KHz sine wave and 1% THD.
3. The final specification is subject to the user manual)